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Author:

U.S. Bureau of  
Agricultural Economics

Title:

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Date:

1939

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**UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics**

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**ARIZONA COTTON**

**Estimated Acreage, Yield, and Production**

**including both**

**Short Staple and American-Egyptian**

**1928 — 1937**

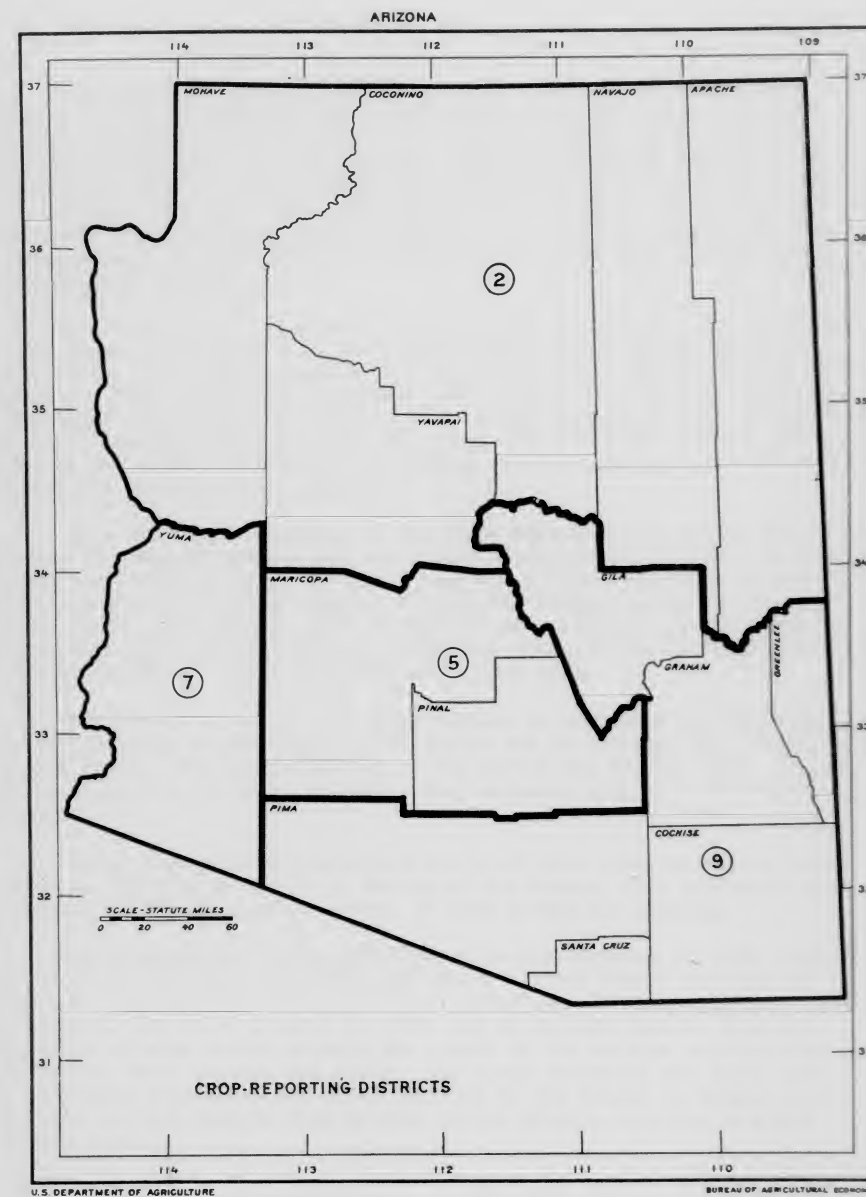
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**By Counties**

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**Office of the Agricultural Statistician  
Room 205 New Post Office, Phoenix, Ariz.  
January 1939**



## COTTON PRODUCTION IN ARIZONA, 1928 - 1937

### - By Counties -

Starting with 206,000 acres planted in 1928, the Arizona cotton acreage fluctuated slightly until extremely low prices caused a sharp decline to 114,000 acres in 1932 which was the smallest acreage during the period 1928-1937. The Agricultural Adjustment Program induced a low harvested acreage in 1933 by causing approximately 22,000 acres to be plowed up. Acreage reductions under the Program also largely accounted for the relatively low planted acreage of 136,000 acres in 1934. Since 1934 the Arizona acreage has expanded. It reached an all time high of 299,000 acres planted in 1937.

Yield per acre during the 10-year period has varied from an average of 286 pounds lint in 1933 to the Arizona record yield of 501 pounds in 1937. These are composite yields including both short staple and American-Egyptian. While expansion or contraction in the lower yielding American-Egyptian cotton has had some influence on average annual yields, the greatly increased average yields per acre beginning with the 1934 crop are attributed to the better selection of varieties coupled with improved method in culture and restriction of acreage.

In general, fluctuations in the State average yield during the period are due to seasonal changes and are common to all county yields. In Graham County low yields in some years have been due to local shortage of water for irrigation at critical times. In 1931 the average yield was lowered by the stubbing of rather large acreages of poor stands, especially in Maricopa County. Yields in Yuma County have suffered somewhat in recent years by increased insect infestations in that area.

Production of cotton, in these tables, is expressed in 500-pound equivalent gross weight bales, which should not be confused with ginner's running bales. The low production of the period was 69,000 bales in 1932. The peak was 313,000 bales in 1937. They coincide with low and high acreage.

These estimates of production are based upon ginnings within each county as reported to the U. S. Bureau of the Census, with necessary adjustments for cross-county movement of seed cotton for ginning.

The estimates of acreage are based on the censuses of 1925, 1930, and 1935; on available data from irrigation project annual surveys; on data made available by the Agricultural Adjustment Administration for the years since the first program in 1933; and on current reports from co-operating Arizona cotton growers who report to the Arizona statistician concerning their acreage and yield. The yield estimates are based upon computations from acres and bales reported to the Census in Census years and upon current reports from Arizona cotton growers relating to yield in each year.

Edward C. Paxton,  
Agricultural Statistician.



ARIZONA COTTON: PLANTED ACREAGE, PLANTED YIELD, AND PRODUCTION

District and county	1928			1929		
	Acreage in cultivation July 1	Yield per planted acre	Production 500 lb. gross wt. bales	Acreage in cultivation July 1	Yield per planted acre	Production 500 lb. gross wt. bales
	Acres	Pounds	Bales	Acres	Pounds	Bales
<b>DISTRICT V</b>						
Maricopa	145,000	302	90,300	144,000	302	91,000
Pinal	8,000	373	6,800	17,800	315	11,700
Total	151,000	305	96,500	161,800	308	102,700
<b>DISTRICT VII</b>						
Yuma	33,000	439	30,300	34,500	436	31,500
Total	33,000	439	30,300	34,500	436	31,500
<b>DISTRICT IX</b>						
Graham	12,000	555	13,900	15,000	410	12,900
Greenlee 1/2						
Pima 1/2						
Total	12,000	555	13,900	15,000	410	12,900
ALL OTHER	10,000	397	8,300	9,700	291	5,900
STATE TOTAL	206,000	347	149,000	221,000	331	158,000
		1930			1931	
<b>DISTRICT V</b>						
Maricopa	113,000	317	74,900	106,000	286	63,400
Pinal	44,000	323	29,600	39,800	258	21,200
Total	157,000	318	104,500	145,800	279	84,600
<b>DISTRICT VII</b>						
Yuma	29,000	504	30,600	25,800	294	15,900
Total	29,000	504	30,600	25,800	294	15,900
<b>DISTRICT IX</b>						
Graham	14,000	475	15,900	15,300	458	12,700
Greenlee 1/2						
Pima 1/2						
Total	14,000	475	15,900	15,300	458	12,700
ALL OTHER	10,000	287	6,000	5,700	232	1,800
STATE TOTAL	210,000	354	155,000	186,000	293	118,000

1/ Included in "ALL OTHER", but not in district totals.

ARIZONA COTTON: PLANTED ACREAGE, PLANTED YIELD, AND PRODUCTION

District and county	1932			1933		
	Acreage in cultivation July 1	Yield per planted acre	Production 500 lb. gross wt. bales	Acreage in cultivation July 1	Yield per planted acre 2/	Production 500 lb. gross wt. bales
	Acres	Pounds	Bales	Acres	Pounds	Bales
<b>DISTRICT V</b>						
Maricopa	67,800	265	37,600	94,000	285	56,000
Pinal	24,500	263	13,500	33,300	222	15,500
Total	92,300	265	51,100	127,300	268	71,500
<b>DISTRICT VII</b>						
Yuma	11,700	373	9,100	15,000	287	9,000
Total	11,700	373	9,100	15,000	287	9,000
<b>DISTRICT IX</b>						
Graham	9,000	443	8,300	16,500	414	14,300
Greenlee 1/2						
Pima 1/2						
Total	9,000	443	8,300	16,500	414	14,300
ALL OTHER	1,000	239	500	2,200	261	1,200
STATE TOTAL	114,000	290	69,000	161,000	286	96,000
		1934			1935	
<b>DISTRICT V</b>						
Maricopa	85,000	390	69,400	103,000	381	82,100
Pinal	23,000	388	18,700	27,900	370	21,600
Total	108,000	390	88,100	130,900	379	103,700
<b>DISTRICT VII</b>						
Yuma	13,000	467	12,700	14,000	484	14,200
Total	13,000	467	12,700	14,000	484	14,200
<b>DISTRICT IX</b>						
Graham	8,400	617	10,800	9,200	570	11,000
Greenlee 1/2						
Pima 1/2						
Total	8,400	617	10,800	9,200	570	11,000
ALL OTHER	6,600	391	5,400	5,900	494	6,100
STATE TOTAL	136,000	410	117,000	160,000	405	135,000

1/ Included in "ALL OTHER", but not in district totals.

2/ Based on planted acres less acres removed in 1933 reduction program.

ARIZONA COTTON: PLANTED ACREAGE, PLANTED YIELD, AND PRODUCTION

District and county	1936			1937		
	Acreage in cultivation July 1	Yield per planted acre	Production 500 lb. gross wt. bales	Acreage in cultivation July 1	Yield per planted acre	Production 500 lb. gross wt. bales
	<u>Acres</u>	<u>Pounds</u>	<u>Bales</u>	<u>Acres</u>	<u>Pounds</u>	<u>Bales</u>
<u>DISTRICT II</u>						
Mohave <u>1/</u>						
<u>DISTRICT V</u>						
Maricopa	129,000	424	114,000	186,000	486	189,000
Pinal	42,000	420	38,900	66,500	492	68,400
Total	171,000	422	150,900	252,500	487	257,400
<u>DISTRICT VII</u>						
Yuma	14,000	440	12,900	15,000	396	12,400
Total	14,000	440	12,900	15,000	396	12,400
<u>DISTRICT IX</u>						
Cochise <u>1/</u>						
Graham	14,000	595	17,400	19,000	668	26,800
Greenlee <u>1/</u>						
Pima <u>1/</u>						
Santa Cruz <u>1/</u>						
Total	14,000	595	17,400	19,000	668	26,800
ALL OTHER	9,000	520	9,800	12,500	635	16,800
STATE TOTAL	208,000	438	191,000	299,000	501	313,000
<u>1/</u> Included in "ALL OTHER", but not in district totals.						

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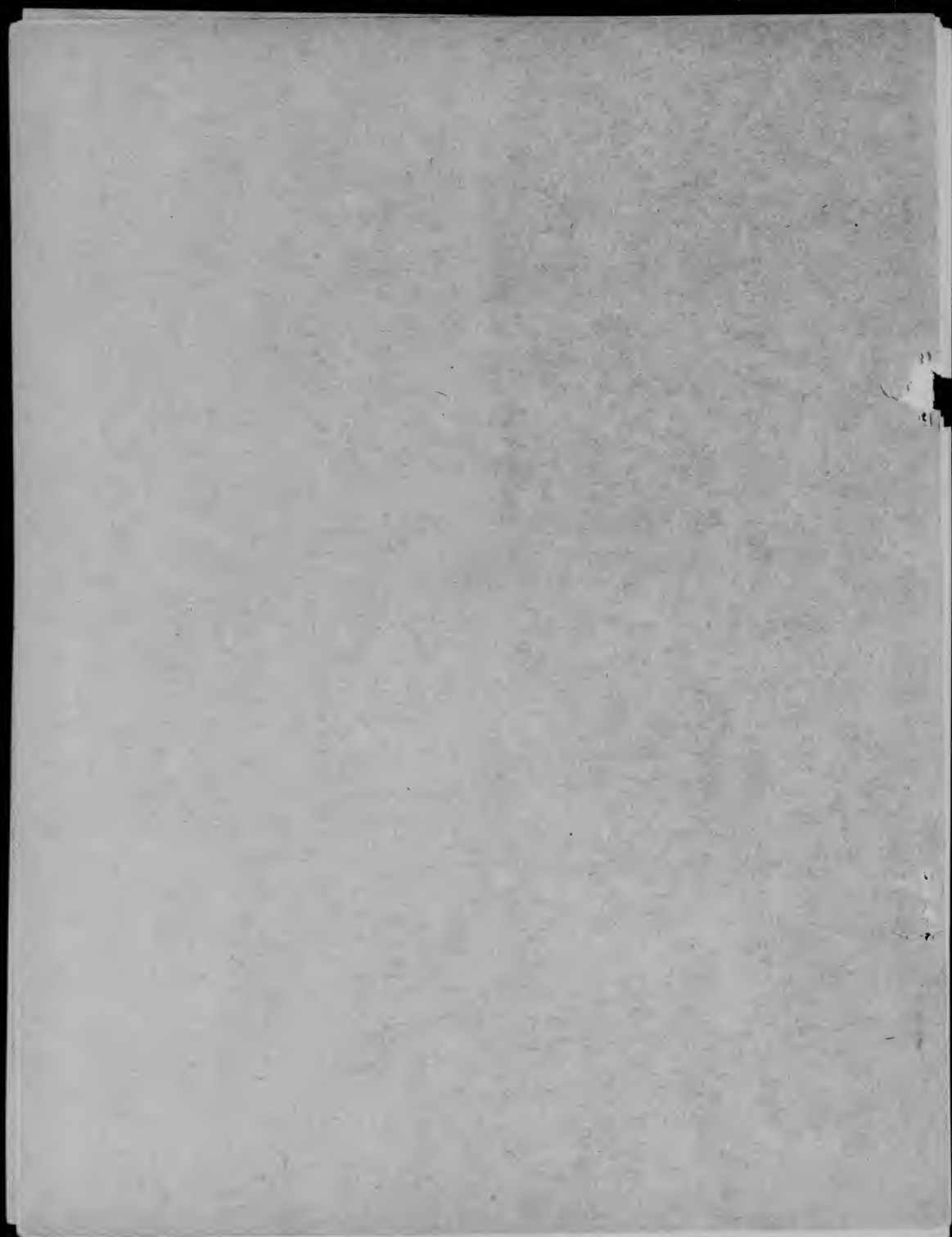
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<u>1/</u> Included in "ALL OTHER", but not in district totals.						

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